

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Original) A method for controlling access to secured information for a predetermined region of a computer generated original image presented on a display, comprising:
determining whether a user is authorized to access said secured information; and,
in response to said determining, distorting said original image to produce a distorted region for said predetermined region to provide said user with said secured information on said display.
2. (Original) The method of claim 1 and further comprising, in response to said determining, uncovering said distorted region.
3. (Original) The method of claim 1 wherein said determining further comprises receiving authentication information from said user and comparing said authentication information to stored authentication information for said user.
4. (Currently Amended) The method of claim 3 wherein said authentication information includes at least one of a user identification number and a password.
5. (Original) The method of claim 3 wherein said authentication information is received through a dialog box.
6. (Original) The method of claim 5 wherein said dialog box is presented adjacent to said predetermined region.

7. (Original) The method of claim 1 and further comprising receiving a signal from said user to select said predetermined region.

8. (Original) The method of claim 7 wherein said signal is generated by moving a cursor on said display with a pointing device.

9. (Original) The method of claim 8 wherein said pointing device is a mouse.

10. (Original) The method of claim 1 wherein said secured information is detailed information.

11. (Original) The method of claim 10 wherein said detailed information is a magnified image.

12. (Original) The method of claim 1 wherein said secured information is encrypted information.

13. (Original) The method of claim 12 wherein said distorting further comprises decrypting said encrypted information.

14. (Currently Amended) The method of claim 1 wherein said original image includes at least one of a graphic image, a photographic image, and a text image.

15. (Currently Amended) The method of claim 1 wherein said distorting further includes ÷
~~creating a lens surface for said distorted region; and,~~
~~transforming said original image by~~ applying a distortion function ~~defining said lens surface~~
to said original image to produce said distorted region by displacing said original image onto
said distortion function and projecting said displaced original image onto a plane .

16. (Currently Amended) The method of claim 15 wherein said ~~creating~~ applying further includes displaying a graphical user interface ("GUI") over said distorted region for receiving one or more signals for adjusting said ~~lens surface~~ distortion function .

17. (Currently Amended) The method of claim 16 wherein said ~~lens surface~~ distortion function includes a focal region ~~and a base having a magnification for said predetermined region at least partially surrounded by a shoulder region where said magnification decreases to that of said original image to provide context for said predetermined region with respect to said original image,~~ and said GUI ~~includes~~ is for adjusting at least one of :

- ~~a slide bar icon for adjusting a~~ said magnification for said lens surface ;
- ~~a slide bar icon for adjusting a degree of scooping for said lens surface~~ a concavity of said shoulder region ;
- ~~a bounding rectangle icon with at least one handle icon for adjusting a size and a shape an~~ extent for said focal region;
- ~~a bounding rectangle icon with at least one handle icon for adjusting a size and a shape an~~ extent for said shoulder region base;
- ~~a move icon for adjusting~~ a location for said lens surface distortion function within said original image;
- ~~a pickup icon for adjusting~~ a location for an outline of said shoulder region base within said original image; and,
- ~~a fold icon for adjusting~~ a location for said focal region relative to said shoulder region base to define a degree and a direction of a folding of said distortion function .

18. (Original) The method of claim 3 wherein said authentication information is biometric information.

19. (Original) The method of claim 18 wherein said biometric information includes fingerprint, iris pattern, voice pattern, and DNA pattern information.

20. (Original) A method for accessing detailed information for a predetermined region of a computer generated original image presented on a display, comprising:

- determining whether a user is authorized to access said detailed information; and,
- in response to said determining, distorting said original image to produce a distorted region for said predetermined region to provide said user with said detailed information on said display.